[54]	CONTROL CIRCUIT FOR CONCURRENTLY MONITORING AND CONTROLLING FUNCTIONS AND FREQUENCY MODULATING STATUS INFORMATION IN A DIGITAL DATA NETWORK				
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[21]	Appl. No.:	120,570			
[22]	Filed:	Feb. 11, 1980			
[51] [52]	Int. Cl. ³ U.S. Cl	H04Q 5/18 179/18 ES; 179/99 M; 364/900			
[58]	Field of Se. 179/99	arch 179/18 ES, 18 AD, 18 J, M, 99 P, 99 R, 84 R, 1.5 FS; 364/900 MS File			
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Primary Examiner—Gerald L. Brigance Attorney, Agent, or Firm—Cesari and McKenna

[57] ABSTRACT

A remote unit contains function circuits to be controlled in response to control data from a central location and function circuits to generate information for transfer to the central location. The control data is transferred between the remote unit and the central location as frequency-shift-keyed signals. In the remote unit, a programmed microcomputer contains three blocks of instructions for enabling the microcomputer to perform background operations, to respond to the initial receipt of a message, and to thereafter transmit and decode the message. Further, in response to the decoding block of instructions, that are provided on a fixed time basis, the microcomputer is able to transmit frequency-shift-keyed signals without the need for a separate frequency-shift-keyed transmitter.

11 Claims, 74 Drawing Figures

